



## ENERGY STAR® Program Requirements for Consumer Audio and DVD Products

### Eligibility Criteria

Below is the product specification for ENERGY STAR qualified consumer audio and DVD products. A product must meet all of the identified criteria if it is to be labeled as ENERGY STAR by its manufacturer.

- 1) Definitions: Below are brief descriptions of consumer audio and DVD products and their common operational modes as relevant to ENERGY STAR. The ENERGY STAR specification focuses on reducing energy consumption while the product is in the Standby Mode.
  - A. Consumer Audio and DVD Products: To qualify, these products must draw current from a building's AC power electrical outlet via a power cord or via an AC power adapter that is shipped with the product. Also eligible are those products that have a power switch to interrupt the current flow from the power line and perform no operating functions except in active mode. This agreement does not cover professional, automotive, or solely battery-powered products. For a list of eligible consumer audio and DVD product categories, refer to Section 2, Qualifying Products.
    1. Consumer Audio Product: A commercially available electronic product encased in a single housing whose intended purpose, other than providing non-video status displays, is the production or recording of signals in the audio domain as reproduced by headphones, loudspeakers, or other transducers.
    2. Digital Versatile Disc (DVD) Product: A commercially available electronic product encased in a single housing whose intended purpose is the production or recording of digitized video signals on a spinning reflective disc media.
  - B. Standby Mode: The mode in which the product is connected to the power source, is possibly producing status information or time readout, is waiting to be switched to the active mode, and produces/records no video or audio signal (either directly audible, or audible as reproduced by headphones, loudspeakers, or other transducers). The product may exit the standby mode through an automatic timer activation, direct activation by the user, or a remote control command from the user. In standby mode, the product is substantially shut down but may continue to perform some functions (e.g., remote control sensing and clock).
  - C. Active Mode: The mode in which the product is connected to a power source and is producing or recording signals in the video domain and/or audio domain as reproduced by headphones, loudspeakers, or other transducers. The power requirement in this mode is typically greater than the power requirement in standby mode.
  - D. Disconnect: The mode in which the product is disconnected from all external power sources.
- 2) Qualifying Products: For the purposes of this agreement, ENERGY STAR Partner agrees that consumer audio and DVD products include the following: cassette decks, CD players/changers, CD recorders/burners, clock radios, DVD products, equalizers, laserdisc players, mini- and midi-systems, minidisc players, powered speakers, rack systems, stereo amplifiers/pre-amplifiers, stereo receivers, table radios, and tuners.
- 3) Energy-Efficiency Specifications for Qualifying Products: Only those products listed in Section 2 that meet the criteria below may qualify as ENERGY STAR (Version 1.0).

Product	Phase I Standby Mode	Phase II Standby Mode
Consumer Audio Products	≤ 2.0 Watts	≤ 1.0 Watt
DVD Products	≤ 3.0 Watts	≤ 1.0 Watt

- 4) **Power Measurement:** The power requirement shall be measured from the outlet or power supply source to the product under test. The Partner shall measure the average true power (in watts) of the product. When performing measurements to self-certify a product model, the products under test must be in the condition (e.g., configuration and settings) shipped to the customer. **Refer to the Testing Guidelines for ENERGY STAR® Qualified Consumer Electronics for additional information.**
- 5) **Effective Date:** The date that manufacturers may begin to qualify products as ENERGY STAR will be defined as the *effective date* of the agreement.
- A. **Phase I:** The first phase of this program, Phase I, shall commence immediately and conclude on December 31, 2002. Upon signing this agreement, the Partner may begin to use the ENERGY STAR logo on product models, packaging, or other product-related materials that meet Phase I specifications.
- B. **Phase II:** The second phase of this program, Phase II, shall commence on January 1, 2003. Specifications for Phase II shall apply to products that the Partner begins to ship after December 31, 2002. However, once an individual product model is qualified by the Partner as ENERGY STAR, the model, packaging, or other product-related materials may continue to bear the ENERGY STAR logo until the model is phased out of the market (i.e., the Phase II specifications will not apply retroactively to models previously qualified under Phase I specifications).
- 6) **Future Specification Revisions:** ENERGY STAR reserves the right to change the specification should technological and/or market changes affect its usefulness to consumers, industry, or the environment. In keeping with current policy, revisions to the specification are arrived at through industry discussions.